

in 'Mitchell's Australia' (pl. 1. p. 14. vol. i.) represents a species with very *thick* valves, and from Harper's Hill, instead of Illawarra. Morris's species is believed to be *Cleobis grandis* of the writer.

The species referred in a former article to *Modiolopsis* (Hall) appear to have two muscular impressions, and for the most part more properly belong with the *Cypricardie*.—*Silliman's Journal for May 1848.*

A new Organ of Sound in Lepidoptera. By S. S. HALDEMAN.

The *Lithosia miniata*, Kirby (Fauna Bor.-Am. p. 305), or an allied species, produces an audible stridulation by vibrating the pleura beneath the wings, this part being marked in recent specimens by parallel lines, apparently indicating the position of the muscles. It is possible that the European *Acherontia atropos* may produce its peculiar sound in a similar manner.—*Silliman's Journal for May 1848.*

METEOROLOGICAL OBSERVATIONS FOR JUNE 1848.

Chiswick.—June 1. Cloudy and fine : rain. 2. Showery. 3. Showery : fine : clear. 4. Heavy showers : fine. 5. Fine. 6. Uniform haze : fine : clear. 7. Very fine. 8. Cloudy. 9. Very fine : rain. 10. Constant heavy rain. 11. Overcast : cloudy. 12. Cloudy : rain. 13. Heavy showers. 14–16. Very fine. 17. Cloudy and fine. 18. Densely overcast : rain at night. 19, 20. Overcast. 21. Cloudy and fine. 22. Very fine. 23. Hazy : rain. 24. Rain : fine : slight rain. 25. Overcast. 26. Fine. 27. Cloudy. 28, 29. Fine. 30. Rain.

Mean temperature of the month 59°·58
 Mean temperature of June 1847 58·46
 Mean temperature of June for the last twenty years 60·81
 Average amount of rain in June 1·88 inch.

Boston.—June 1. Fine : rain P.M. 2. Cloudy. 3. Cloudy : rain P.M. 4. Fine : rain P.M. 5. Cloudy. 6. Fine. 7, 8. Fine : rain P.M. 9. Cloudy : rain P.M. 10. Fine : rain P.M. 11. Cloudy : rain early A.M. 12. Cloudy : rain A.M. and P.M. 13. Rain : rain A.M. 14, 15. Fine. 16. Cloudy : rain A.M. and P.M. 17. Rain : rain A.M. 18. Cloudy : rain A.M. and P.M. 19–21. Cloudy. 22. Fine. 23. Cloudy : rain P.M. 24. Cloudy : rain A.M. and P.M. 25. Cloudy. 26. Fine. 27. Cloudy : rain early A.M. 28. Cloudy : rain A.M. 29. Rain : rain A.M. 30. Fine : rain P.M.—This has been the wettest June for nine years, and May the driest for nineteen years.

Applegarth Mansc, Dumfries-shire.—June 1. Showery all day : A.M. clear. 2. Showery all day : thunder. 3. Fine A.M. : rain : thunder. 4. Showery : hail. 5. Fair, but cloudy. 6. Slight showers. 7. Showers : thunder : hail. 8. Showers : thunder. 9. Fine : some drops of rain. 10. Fair and fine. 11. Fine : warm : showers. 12. Rain all day. 13. Showery nearly all day. 14. Showers early : cleared : fine. 15. Fiery wind : fair. 16. Heavy showers P.M. 17. Fine : one slight shower. 18–20. Very fine summer days. 21. Warm : thunder : showers. 22. Fair : wind violent. 23. Slight shower P.M. 24. Fair and pleasant. 25. Fine A.M. : rain P.M. 26–30. Constant showers.

Mean temperature of the month 55°·7
 Mean temperature of June 1847 55·2
 Mean temperature of June for the last twenty-five years . 56·1
 Average amount of rain in June for twenty years 3·16 inches.

Sandwick Mansc, Orkney.—June 1. Showers : fine. 2. Cloudy. 3. Cloudy : rain. 4. Cloudy. 5. Rain : cloudy. 6. Bright : showers. 7. Clear : showers. 8. Clear : cloudy. 9–11. Clear. 12. Clear : cloudy. 13. Drops : rain. 14. Damp : rain. 15. Rain : drops. 16, 17. Fine. 18. Cloudy. 19, 20. Bright : cloudy. 21–25. Cloudy. 26. Bright : cloudy. 27. Rain : damp. 28. Rain. 29. Cloudy. 30. Bright : drops.